

Table S1, Table S2, Table S3

Table S1. Primer sequence of the 17 differentially expressed proteins

Protein spots	Sense primer	Antisense primer
6	5' AGCACTACGCCGACACCTA 3'	5' GCCTCTGAATGAGCCAACC 3'
8	5' GAGCCAAAATGGGAAGACC 3'	5' TGACGCACGCTAACGACTG 3'
21	5' GACCTCACCCATTCTCCTT 3'	5' CTTTATTTCCGTTGGTCAGT 3'
37	5' TTCCGAGTCCGTGAACGAG 3'	5' CATGAACACCCCTGGGCAAT 3'
69	5' AAGAAGAACGAAGTGGACCTGCTGA 3'	5' AAGCAGTCCTGGTTATTGG 3'
71	5' ACACCGAAACGCCGATTAT 3'	5' TGCTGGACAACACGCTACA 3'
77	5' GACGCAGAGAAGTGTATTGAG 3'	5' GACGCAGAGAAGTGTATTGAG 3'
78	5' AGAACCTCAAGCCTATCAGCG 3'	5' ATCCAACAGCGGGAAACTCAA 3'
79	5' ACCACCTACTGCCACCCTATC 3'	5' TAAGACCAGCATTCGCTCCAT 3'
81	5' ACAAAGGCAAGGGATTCAAGC 3'	5' CAAGTAGTAGTATCTCGGGTC 3'
85	5' GGCACCAAGAACTGCGACT 3'	5' TTGTTTGCTGGATACCGA 3'
86	5' CCTCTCCCGCAAGCACATC 3'	5' TGCCCCAGTAGAACGCCAC 3'
87	5' GCCTATCGGAAACTTGCTC 3'	5' CCAGAACCTTCAGACCAG 3'
88	5' TAGTGGAGAGTGTGGAGAGGGTG 3'	5' TTCTTCAAATCTGCTGGCGTTC 3'
Actin	5' AGCCATACCGTGCCAATC 3'	5' AGAGCCTCCAATCCAGAC 3'

Table S2. The correlation between protein expression (presence on the 2-DE map) and gene expression (RT-PCR assay)

spots	Annotation	Root				Leaf			
		Jinan 177		Shanrong No.3		Jinan 177		Shanrong No.3	
		drought	salt	drought	salt	drought	salt	drought	salt
6	putative Annexin P35	-	+	+	+	-	-	+	-
8	Aldolase (Fragment)	-	+	+	+	+	+	-	+
37	putative AdoMet synthase 2	+	+	-	-	+	+	+	+
41	Glutathione transferase F4	-	-	+	+	-	-	-	+
69	Glutathione transferase F6	+	+	+	+	+	+	+	+
71	Peroxidase precursor	-	-	-	+	+	+	-	-
77	stress inducible protein	-	+	-	+	+	+	-	+
78	manganese superoxide dismutase	-	+	-	+	-	+	-	+
86	putative potassium channel beta subunit	+	+	+	+	-	-	-	-

81	ABC transporter related protein	-	+	+	+	-	+	-	-
85	glucan endo-1,3-beta-D-glucosidase	+	+	+	+	-	+	+	+
87	t-complex-type molecular chaperone tcp1	-	-	-	-	-	+	-	+
88	alcohol dehydrogenase	-	+	+	+	-	+	-	+
79	ascorbate peroxidase	-	-	-	-	-	+	+	+
Total		4	10	8	11	5	11	5	10

Table S3. Patterns of gene expression for 25 selected salinity/drought responsive**DEPs for RT-PCR**

Expression patterns		Drought		Salinity	
		Spots	Ratio	Spots	Ratio
		amount	(%)	amount	(%)
JN177	Induced	2	8.0	3	12.0
root	Increased	4	16.0	8	32.0
	Unchanged	16	64.0	11	44.0
	Decreased	0	0.0	1	4.0
	Inhibited	3	12.0	2	8.0
Total		25	100.0	25	100.0
SR3	Induced	2	8.0	2	8.0
root	Increased	7	28.0	9	36.0
	Unchanged	13	52.0	12	48.0
	Decreased	1	4.0	0	0.0
	Inhibited	2	8.0	2	8.0
Total		25	100.0	25	100.0
JN177	Induced	0	0.0	1	4.0
leaf	Increased	4	16.0	9	36.0
	Unchanged	17	68.0	12	48.0
	Decreased	0	0.0	1	4.0
	Inhibited	4	16.0	2	8.0

	Total	25	100.0	25	100.0
SR3	Induced	0	0.0	0	0.0
	Increased	3	12.0	9	36.0
	Unchanged	19	76.0	13	52.0
	Decreased	1	4.0	0	0.0
leaf	Inhibited	2	8.0	3	12.0
	Total	25	100.0	25	100.0